

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#31

In re Patent Application of

Confirmation No. 4196

HAYNES et al

Atty. Ref.: 1579-599

Serial No. 09/960,717

Group: 1648

Filed: September 24, 2001

Examiner: Stucker, J.

For: IMMUNOGEN COMPRISING AN HIV ENVELOPE PROTEIN, A LIGAND AND H2
PEPTIDE

* * * * *

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

February 28, 2005

RECEIVED

FEB 28 2005

Sir:

INFORMATION DISCLOSURE STATEMENT

OFFICE OF PETITIONS

- ☒ 1. **PTO-1449 Pursuant to 37 CFR 1.97(b)**
[within 3 months of filing or prior to 1st Office Action on the merits]
N/C
- ☐ 2.(a) **Statement Pursuant to 37 CFR 1.97(c)**
[before Final Office Action or Allowance (requires Rule 97(e)
Statement or Rule 17(p) fee)]
N/C
- ☐ 2.(b) **Fee Payment Pursuant to 37 CFR 1.97(c)**
[before Final Office Action or Allowance (requires Rule 97(e)
Statement or Rule 17(p) fee)]
\$180.00
- ☐ 3. **Pursuant to 37 CFR 1.97(d)**
[after Final Office Action or Allowance (requires Rule 97(e)
Statement and Rule 17(p) fee), but before final fee payment]
\$180.00

The following are submitted in the above-identified application in compliance with
37 C.F.R. §§ 1.97 and 1.98:

- ☒ 4. A list of documents on Form PTO-1449 together with copies of each
identified document and a translation or a concise explanation of
each non-English language document (such as a Search Report) is
enclosed herewith.

This paper is submitted in accordance with:

- ☒ 5. 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- ☐ 6. 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and
 - ☐ a) The required Statement made in item 8 below; or
 - ☐ b) The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 9 below.
- ☐ 7. 37 CFR §1.97(d): [after Final Office Action or Allowance (requires Rule 97(e) Statement and Rule 17(p) fee), but before final fee payment]; and
 - ☐ a) The fee (\$180.00) required by 37 CFR §1.17(p) is submitted herewith; and
 - ☐ b) The required Statement is stated in item 8 below.
- ☐ 8. Statement under 37 CFR 1.97(e)
 - ☐ a) The undersigned attorney of record hereby certifies under 37 C.F.R. §1.97(e) that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement (each item contained in this IDS was the first citation of that item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to the filing of this IDS); or
 - ☐ b) No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement, after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
- ☒ 9. Please charge all deficiency fees associated with the submission of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 14-1140. An original and one (1) copy of this document are enclosed.

HAYNES et al
Serial No. 09/960,717
February 28, 2005

Respectfully submitted,
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**INFORMATION DISCLOSURE
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

1579-599

09/960,717

APPLICANT

HAYNES et al

(Use several sheets if necessary)

FILING DATE

GROUP

September 24, 2001

1648

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT		DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 94/15638	7/1994	WIPO				
	WO 00/08043	2/2000	WIPO				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	Devico et al, "Covalently Crosslinked Complexes of Human Immunodeficiency Virus Type 1 (HIV-1) gp120 and CD4 Receptor Elicit a Neutralizing Immune Response That Includes Antibodies Selective for Primary Virus Isolates", Virology 218:258-263 (1996)
	Zhang et al, "Antibody 17b Binding at the Coreceptor Site Weakens the Kinetics of the Interaction of Envelope Glycoprotein gp120 with CD4", Biochemistry 40:1662-1670 (2001)
	Rimsky et al, "Determinants of Human Immunodeficiency Virus Type 1 Resistance of gp41-Derived Inhibitory Peptides", Journal of Virology 72(2):986-993 (1998)
	Zhang et al, "Conformational Changes of gp120 in Epitopes near the CCR5 Binding Site Are Induced by CD4 and a CD4 Miniprotein Mimetic", Biochemistry 38:9405-9416 (1999)
	Liao et al, "Immunogenicity of Constrained Monoclonal Antibody A32-Human Immunodeficiency Virus (HIV) Env gp120 Complexes Compared to That of Recombinant HIV Type 1 gp120 Envelope Glycoproteins", Journal of Virology 78(10):5270-5278 (2004)
	Boots et al, "Anti-Human Immunodeficiency Virus Type 1 Human Monoclonal Antibodies that Bind Discontinuous Epitopes in the Viral Glycoproteins Can Identify Mimotopes from Recombinant Phage Peptide Display Libraries", AIDS Research and Human Retroviruses 13(18):1549-1559 (1997)

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)